Comparing basic collection functionalities between Swift, Kotlin and Java

Collection type	Swift	Kotlin	Java 8
ST / ARRAY			
Static Array	[] or Array<>	Array or Array <>	0
Int - example	[Int] or Array <int></int>	Example	int[]
	var array: [Int] = [1, 2, 3]	var array: IntArray = intArrayOf(1, 2, 3) or var array: Array <int> = arrayOf(1, 2, 3)</int>	int[] array = new int[] {1, 2, 3};
	array[0] = 1	array[0] = 1	array[0] = 1;
	let x = array[0]	val x = array[0]	int x = array[0];
	let I = array.count	val I = array.count()	int I = array.length
	for i in array { print(i) }	for (i in array) { println(i) }	for (int i : array) { System.out.println(i); }
Dynamic Array Fixed Size	[] or Array<>	Array or Array <>	0
Int - example	[Int] or Array <int></int>	Array	int[]
	var array: [Int] = Array <int>(repeating: 0, count: 3)</int>	val array:IntArray = IntArray(3) or var array: Array <int> = Array<int>(3) { 0 }</int></int>	int[] array = new int[3];
	array[0] = 1	array[0] = 1	array[0] = 1;
	let x = array[0]	val x = array[0]	int x = array[0];
	let I = array.count	val I = array.count()	int I = array.length
	for i in array { print(i) }	for (i in array) { println(i) }	for (int i : array) { System.out.println(i) }
Dynamic Array Dynamic Size	[] or Array <>	MutableList<>	ArrayList<>
Int - mutable example	[Int] or Array <int></int>	MutableList <int></int>	ArrayList <integer></integer>
	var array = [Int]()	val array = mutableListOf <int>()</int>	ArrayList <integer> array = new ArrayList();</integer>
	var array: [Int] = [1, 2, 3]	val array: MutableList <int> = mutableListOf(1, 2, 3)</int>	ArrayList <integer> array = new ArrayList<integer>(Arrays.asList(1, 2, 3));</integer></integer>
	var array: [Int] = Array <int>(repeating: 0, count: 3)</int>	val array: MutableList <int> = MutableList(3) { 0 }</int>	ArrayList <integer> array = new ArrayList<integer>(Collections.nCopies(3, 0));</integer></integer>
	array.append(4)	array.add(4)	array.add(4);
	array.insert(5, at: 0)	array.add(0,5)	array.add(0,5);
T			
Dynamic Set	Set<>	MutableSet<>	HashSet<>
Int - mutable example	Set <int></int>	MutableSet <int></int>	HashSet <integer></integer>
	var set = Set <int>()</int>	val set:MutableSet <int> = hashSetOf<int>()</int></int>	Set <integer> set = new HashSet<integer>();</integer></integer>
	var set: Set <int> = [1, 2, 3]</int>	val set = hashSetOf(1, 2, 3)	Set <integer> set = new HashSet<integer>(Arrays.asList(1, 2, 3));</integer></integer>
	set.insert(4)	set.add(4)	set.add(4);
	set.remove(3)	set.remove(3)	set.remove(3);
	if set.contains(3) { }	if (set.contains(3)) { }	if (set.contains(3)) { }
AP / DICTIONARY			
Dynamic Map	Dictionary<,>	MutableMap<,>	HashMap<,>
Int, String - mutable example	Dictionary <int, string=""></int,>	MutableMap <int, string=""></int,>	HashMap <integer, string=""></integer,>
	var map = Dictionary <int, string="">()</int,>	val map:MutableMap <int, string=""> = mutableMapOf<int, string="">()</int,></int,>	Map <integer, string=""> map = new HashMap<integer, string="">();</integer,></integer,>
	var map = [1: "one", 2: "two", 3: "three"]	val map = mutableMapOf(1 to "one", 2 to "two", 3 to "three")	//only Guava or Java 9 with Map <int, string=""> map = Map.ofEntries(entry(1, "one")</int,>
	map[4] = "four"	map[4] = "four"	map.put(4, "four"); // map.get(4);
	for (key, value) in map { print("\(key)-\(value)") }	for((key, value) in map) { println("\$key-\$value") }	for(Map.Entry e : map.entrySet()) { System.out.println(e.getKey()+"-"+e.getValue());